

Verify Release 4b:

Update For Light-Duty Manufacturers



June 12, 2008



Agenda

- Introductions
- CROMERR
- Overview of Verify 4b
- Verify Testing & Deployment
- Verify Transition Plan
- Next Steps



Verify Release 4b Almost Here!

- Deployment targeted for 10/07/2008
- Release 4b includes 4 new modules needed to replace light-duty CFEIS system:
 - Confirmatory Test
 - Certification
 - Fuel Economy
 - In-Use Verification Program
- Manufacturers (mfrs) need to begin preparing for transition now including complying with EPA's new reporting requirements!



CROMERR

- Mfrs must comply with EPA's new Cross-Media Electronic Reporting Rule (CROMERR).
- For more information, visit the Verify web site at:
 - www.epa.gov/otaq/verify/setup.htm

Light Duty Modules & Datasets

1. Confirmatory Test (CT)

- ✓ Vehicle Info
- ✓ Fuel Properties Info
- ✓ Test Info
- ✓ CT Decision Info
- ✓ Shift Schedule Info
- ✓ Supplemental Info

2. Certification (Cert)

- ✓ Divisions in Verify's Mfr Info
- ✓ Carline Info
- ✓ Evap/Refueling Info
- ✓ Test Group Info
- ✓ Request For Certificate Info

3. Fuel Economy (FE)

- ✓ FE Label Info
- ✓ FE CAFE Info

4. In-Use Verification Program (IUVP)

- ✓ IUVP Vehicle Info
- ✓ IUVP Test Info

Overview of Verify 4b:

Differences Between Verify 4b and 4a/CFEIS

- General:
 - Verify only uses 3-character Mfr Code (4-digit Mfr Code used by CFEIS is obsolete)
 - Verify does not include a Process Code equivalent to CFEIS' "Modify"
 - Light-Duty Mfrs required to enter Divisions, Test Labs, and Contacts in Verify's Maintain Mfr Info module
 - Mfrs have ability to make more changes to data prior to certification
 - Uses Extensible Markup Language (XML) instead of position-based formatted text input files
 - Provides interactive web forms to facilitate data submission
 - Submission processing reports will be in XML format
 - Mfrs must call Verify helpdesk to request a deletion of a dataset

Differences Between Verify 4b and 4a/CFEIS

- Confirmatory Test (CT):
 - 4b CT Decision Information (CTDI) submission format is different than 4a
 - All applicable Vehicle Information, Test Information, and Fuel Properties datasets must be in Verify prior to submitting CTDI datasets
 - Verify Vehicle Information dataset includes less information than CFEIS Vehicle Information
 - Shift Schedules and CT Supplemental Information datasets only required if vehicle is selected for EPA testing and must be submitted prior to assignment of EPA test date
 - New format for Test # (8 digits preceded by test group code for model year and 3-character mfr code- e.g. ACSC99999999)
 - Test Information Reports for Mfr tests will not include calculated cert levels and pass/fail (only EPA tests will include this information) since these calculations won't occur until a test is used in a Test Group Information submission

Overview of Verify 4b:

Differences Between Verify 4b and 4a/CFEIS

- Certification:
 - Test Group (TG) and Evaporative Family Info is submitted last (not the beginning)
 - Vehicles and Tests don't have to be "carried-over" in Verify in order to use them for multiple model years or test groups
 - Verify TG dataset replaces CFEIS Engine and Evaporative System Info and Summary Sheet datasets (i.e. Each TG dataset includes exhaust and evaporative standards, Deterioration Factors, and tests for all Evaporative Families for that test group)
 - 4b Request For Certificate (RFC) submission format is different than 4a
 - Verify will compile one Certificate Summary Information (CSI) Report for each test group and evaporative family combination included in a TG submission (CSI is similar to CFEIS Summary Sheet)
 - New templates for light-duty Certificates of Conformity

Overview of Verify 4b:

Differences Between Verify 4b and 4a/CFEIS

- Fuel Economy:
 - FE Label datasets reference information previously submitted for certification, so duplicate information does not have to be resubmitted
 - CAFE datasets reference information previously submitted for FE Label, so duplicate information does not have to be resubmitted
- IUVP:
 - A few new data elements added to IUVP Vehicle and Test Info datasets
 - No significant differences

Overview of Verify 4b:

Comparison of CFEIS and Verify 4b Datasets

Verify 4b Datasets	CFEIS Datasets	Comments
Vehicle Info	Vehicle Info	Significantly streamlined
Test Info	Test Info (MTDS)	Very similar
Fuel Properties	Fuel Properties	Minimal changes
Shift Schedule	Shift Schedule	Minimal changes
Test Group Info	Summary Sheet Info	New content and structure
Evap Family Info	Evap System Info (EvSI)	Streamlined and part moved to Test Group Info
Division Info	Division Info	No changes
Carline Info	Carline Info	No changes
FE Label Info	FE Label Info	Some new content and structure- references information previously submitted with Test Group Info
FE CAFE Info	FE CAFE Info	Some new content and structure- references information previously submitted with Test Group Info and FE Label Info
Request for Certificate	n/a	Minimal changes are being made from current Verify 4a Request for Certificate
CT Decision Info	n/a	Minimal changes from 4a CT Decision Info
CT Supplemental Info	n/a	New Verify dataset that includes additional vehicle info that was previously part of CFEIS Vehicle Info and Standards/ DFs that were part of CFEIS ESI and EvSI
n/a	Engine System Info (ESI)	Merged with Verify Test Group Info

Light-Duty Submission Options

- Verify Data Submission Web Site URL:
<https://cdx.epa.gov/>
 - Interactive web forms
 - Upload batch XML file via web interface
- Node-to-Node or client-to-node file transfer (aka machine-to-machine)

Light-Duty Process Codes

- New
 - The unique identifiers (primary keys) for the submitted dataset must not exist in Verify (see chart on slide 11 for primary keys for each dataset)
- Correction
 - The primary keys for the submitted dataset must exist in Verify
 - All corrections must be submitted as a complete replacement dataset
- Report
 - Must specify the primary keys for the desired dataset report
 - The requested report will be sent to the requester's CDX Inbox

Notes: 1) Mfrs must call the Verify Helpdesk to request that a dataset be deleted
 2) No Verify Process Code equivalent to CFEIS' "Modify"

Overview of Verify 4b:

LD Datasets: Primary Keys & Prerequisites

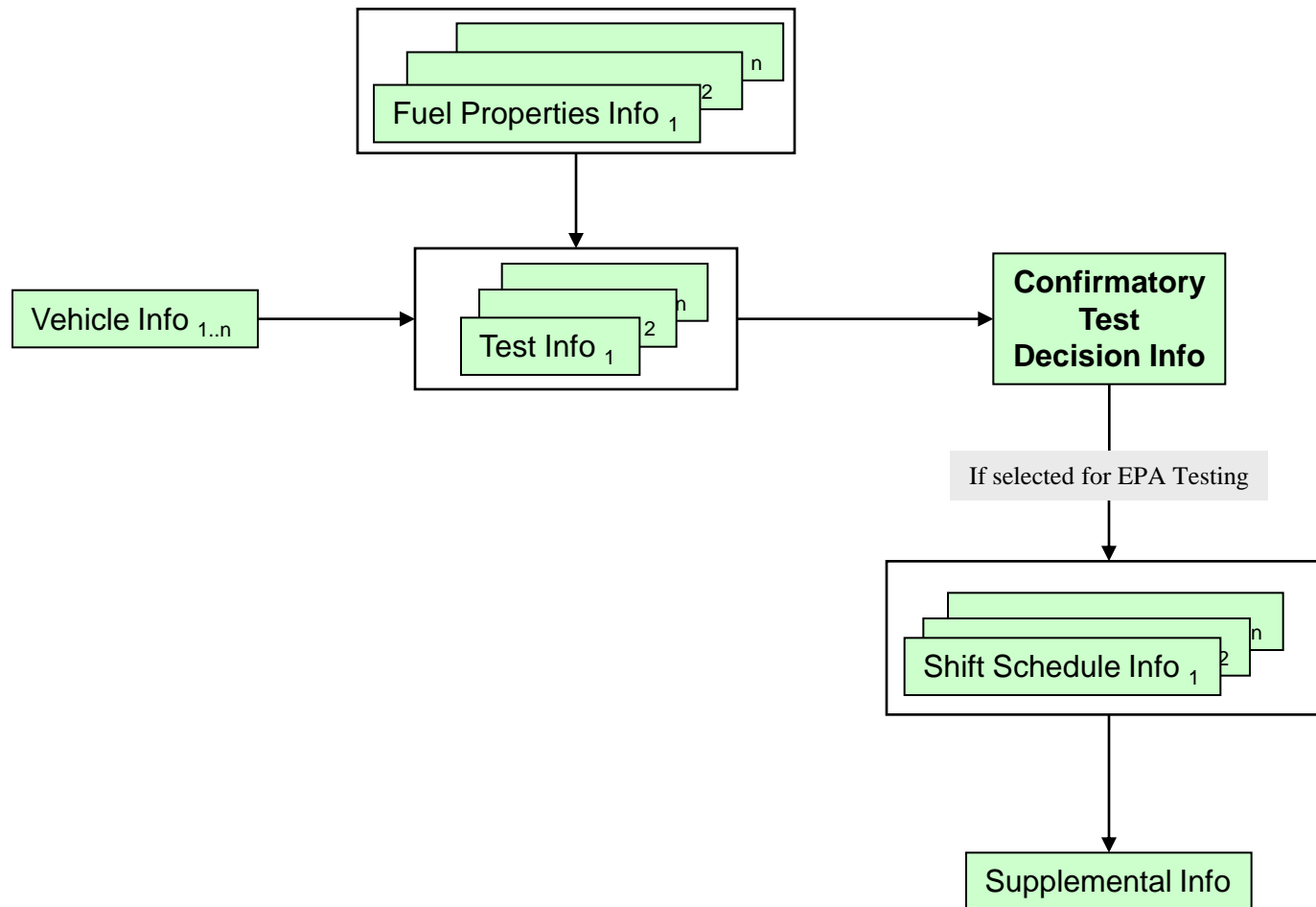
Verify 4b Datasets	Prerequisites	Primary Keys For Requesting Reports
Vehicle Info (VI)	None	Mfr Code, Vehicle ID, Configuration #
Fuel Properties Info (FP)	None	Mfr Code, Fuel Batch ID, Fuel Calibration #
Test Info (TI)	VI & FP	Test #
CT Decision Info (CTDI)	TI	Mfr Code, Vehicle ID, Configuration #, Model Year
Shift Schedule Info (SS)	None	Mfr Code, Shift Schedule ID #, Shift Schedule Database Code
Supplemental Info (CTSI)	SS, CTDI	Mfr Code, Vehicle ID, Configuration #, Model Year
Carline Info (CL)	None	Mfr Code, Division Code, Carline Code, Model Year
Evaporative/Refueling Info (Evap)	None	Evaporative/Refueling Family, Model Year
Test Group Info (TG)	TI, CL, Evap, Div	Test Group, Evaporative/Refueling Family, Model Year
Request For Certificate Info (RFC)	TG, TG Application Doc	Test Group, Evaporative/Refueling Family, Model Year
FE Label Info (Label)	Certified RFC, TI	Mfr Code, Model Type Index, Model Year
FE CAFE Info (CAFE)	Label, TI	Mfr Code, CAFE Compliance Category, Model Year
IUVP Vehicle Info (IUVP- VI)	Certified RFC	Mfr Code, VIN, Emission Program, Model Year, Mileage Category
IUVP Test Info (IUVP- TI)	IUVP- VI	Mfr Code, VIN, Emission Program, Model Year, Mileage Category, Test #
Divisions in Verify's Mfr Info (Div)	None	Mfr Code, Division Code

Light-Duty Processing Reports

- One XML Processing Report will be sent to the submitter's CDX Inbox for each submitted dataset that includes:
 - A copy of all information submitted by the mfr in this submission
 - Processing status (successful or failed submission)
 - Error messages that specify which data element # is in error
 - Any Verify-generated database fields
 - XSL report viewer

Overview of Verify 4b:

LD Confirmatory Test Dataset Submission Process





Overview of Verify 4b:

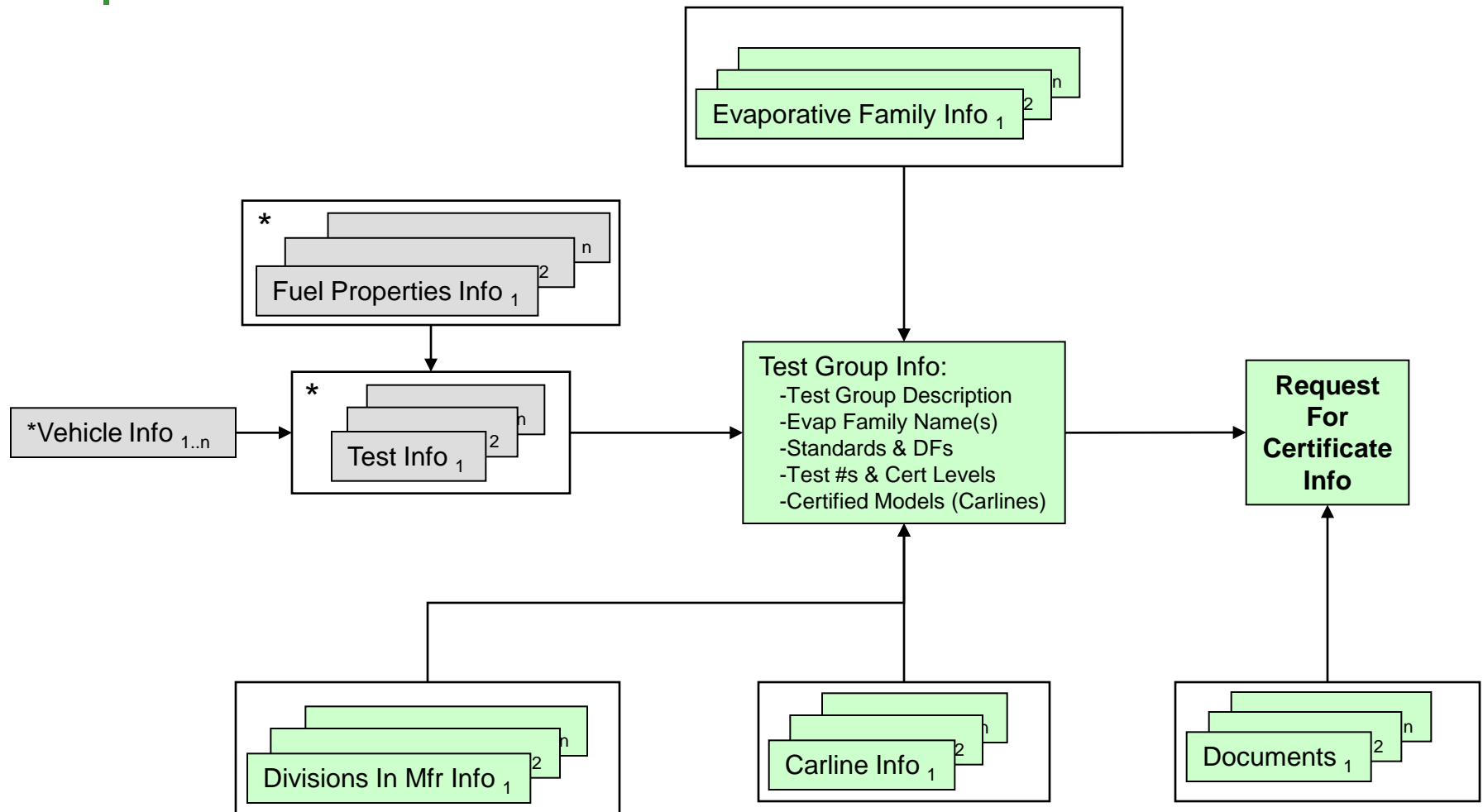
LD Confirmatory Test Dataset Submission Process

After Obtaining Mfr Code and Verify User Accounts:

- Submit one Vehicle Information dataset for each mfr test vehicle configuration.
- Submit one Fuel Properties dataset for each mfr fuel batch used for testing.
- Submit one Test Information dataset for each mfr test.
- Submit one Confirmatory Test Decision Information (CTDI) dataset for each vehicle configuration that was tested.
- For CTDI datasets selected for EPA testing, submit all applicable Shift Schedule datasets and one Supplemental Information dataset.

Overview of Verify 4b:

LD Certification Dataset Submission Process



* Denotes datasets previously submitted



Overview of Verify 4b:

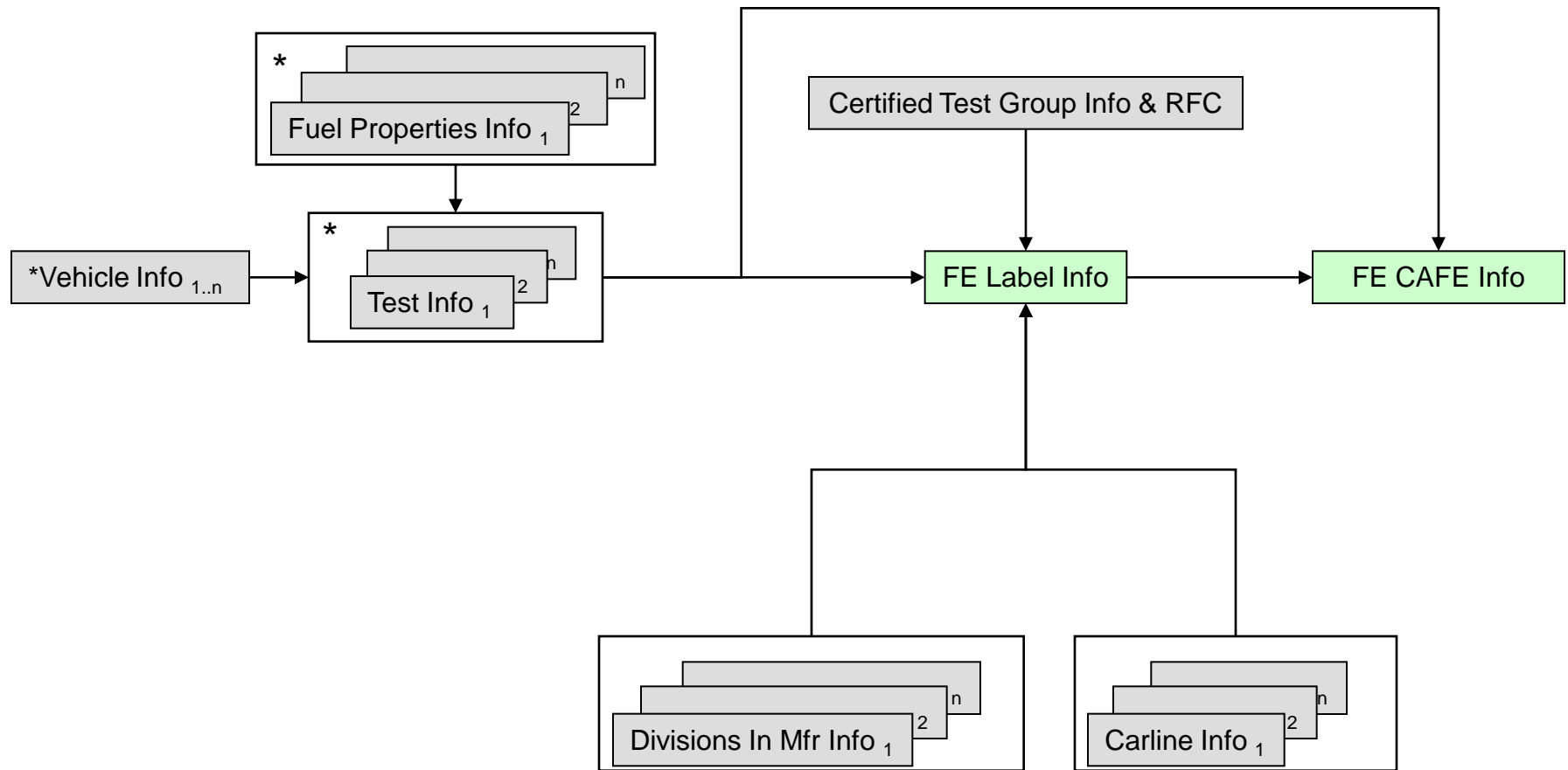
LD Certification Dataset Submission Process

After completing the Confirmatory Test process:

- Submit all applicable Divisions to Verify's Mfr Information.
- Submit all applicable Carline Information datasets.
- Submit all applicable Evaporative/Refueling Family Information datasets.
- Submit one Test Group Information (CSI) dataset for each Test Group to be certified.
- Submit all required compliance documents for each Test Group to be certified.
- Submit one Request for Certificate dataset for each Test Group and Evaporative/Refueling Family combination.

Overview of Verify 4b:

LD Fuel Economy Dataset Submission Process



* Denotes datasets previously submitted



Overview of Verify 4b:

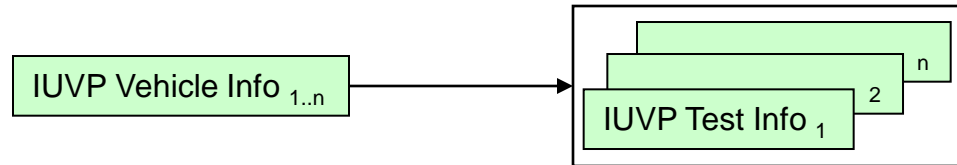
LD Fuel Economy Dataset Submission Process

After completing the Certification and Confirmatory Test processes:

- Submit one FE Label Information dataset for each model type.
- After the end of the model year, submit one CAFE dataset for each CAFE compliance category.

Overview of Verify 4b:

LD IUVP Dataset Submission Process





Overview of Verify 4b:

LD IUVP Dataset Submission Process

After completing the certification process:

- Submit one IUVP Vehicle Information dataset for each in-use vehicle to be tested for IUVP requirements.
- Submit one IUVP Test Information dataset for each mfr IUVP test.

Schedule

- Updated Data Requirement spreadsheets, XML schemas, and sample XML files on Verify Web Site: 06/17/2008
- Manufacturer Testing: 09/15/2008 - 09/26/2008
 - Mfr Testing may begin during week of 09/08/2008
- Verify 4a/CFEIS Shut-Down: 09/15/2008
- Verify 4b Deployment: 10/07/2008

Testing Process

- Manufacturer testing scheduled to begin 9/15/2008
 - Manufacturer testing may begin early during week of 9/8/2008
- EPA will provide template for registering Manufacturer test user accounts
 - Manufacturer users must be registered at least 2 weeks prior to testing
- EPA will hold kick-off 4b testing training session and materials
- EPA will hold periodic meetings throughout manufacturer testing period to review testing issues
 - EPA will provide a template and method for reporting testing issues to EPA



Verify 4b Transition Plan

- Beginning 10/07/2008:
 - All CT, Certification, FE Label, and IUVP submissions for all model years must use new Verify 4b submission formats
 - All MY 2008 and 2009 CAFE submissions must use the CFEIS CAFE format and will be submitted via Verify's Document Module
 - All MY 2010 and later CAFE submissions must use the new Verify 4b submission format
- Manufacturers must submit to Verify:
 - Any Vehicle Information, Test Information, and Carline datasets that are already in CFEIS but that will also be used as part of Verify confirmatory test, certification, or fuel economy submissions
- EPA will migrate to Verify:
 - All manufacturer Shift Schedule and Fuel Properties datasets from CFEIS
- If using Reformed CAFE for MY08 or MY09:
 - Send an email to verify@epa.gov and copy Dave Good and your assigned EPA compliance representative
- See EPA's detailed Transition Plan for additional details



Verify 4b Transition Plan

- During the Verify 4a/CFEIS shutdown period:
 - If a need arises during the shutdown period for an emergency confirmatory test decision or certificate request contact Linc Wehrly at wehrly.linc@epa.gov or 734-214-4286
 - Emergency requests will be evaluated on a case-by-case basis



Manufacturer Next Steps

- Now:
 - If you haven't already done so, request your Mfr Code electronically through Verify
 - Send in the required CROMERR documents
 - Submit as many Confirmatory Test Decision Information and Requests for Certificate datasets as soon as possible so they can be completed prior to the 4a/CFEIS shut-down
- Before September:
 - Compile list of users for each manufacturer code that will participate in 4b testing
 - Send testing user information spreadsheet to EPA
 - Using copies of CFEIS data files provided by EPA, convert any vehicle, test, and carline information datasets that are already in CFEIS but that will also be needed in Verify to new Verify 4b data format
 - Submit all Divisions, Test Labs, and Mfr Contacts for each Mfr Code via Verify's Maintain Mfr Info



EPA Next Steps

- EPA will provide sample XML files and Verify processing reports for each of the Verify 4b datasets.
- EPA will provide draft Verify 4b User Guide as soon as it is available.
- EPA will send an official EPA Guidance Letter covering the deployment of the new light-duty Verify system.
- EPA will send Verify Listserver updates as needed.